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CENTRAL INTELLIGENCE AGENCY

INFORMATION REPORT

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COUNTRY	USSR (Leningrad Oblast)	REPORT	
SUBJECT	Svetlana Radio Tube Factory, Leningrad	DATE DISTR.	18 February 1954
DATE OF INFO.		NO. OF PAGES	2 50X1-HUM
PLACE ACQUIRED		REFERENCE	
		REQUIREMENT NO.	RD

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1. The Svetlana Radio Tube Factory (Plant No. 211), is located in Leningrad on Engels Prospekt. In December 1950, it employed a total of approximately 3,000 persons. Approximately one-third of these were then engaged in receiver tube production.
2. No magnetrons were made at this plant between the end of World War II and December 1950, nor was there any talk of future production of magnetrons. The workers at Svetlana believed that magnetrons were produced in Fryazino (N 55-58, E 38-04) and Semashko.¹
3. Svetlana was producing type 723ab, 3-cm klystrons after the war; power: mainly 10-15, some 20-30 (sic). In December 1950, production was running at approximately 5,000 usable, though not always perfect, klystrons of this type per month. Glass klystrons (no type number known), with wave lengths of 8-10 cm, were also produced.²
4. Rhumbatrons, crystal diodes, and crystal triodes were not produced up to December 1950 and no plans for their future production were then known.
5. Large transmitter tubes of 250 kw, wave length of 14 meters, were produced. The purpose of these was not known at the factory. Tantalum tubing was not to be had and these tubes had wire cathodes. They were 90 cm high. Approximately 30 of them were built by December 1950. They had a type number beginning with G. There was also continuous production of 300-kw thorium tubes running, in December 1950, at the rate of approximately 10 per month. These had thorium cathodes. Large transmitter tubes which could be switched to 50 or 100 kw were also made.
6. In December 1950, the factory was producing approximately 10,000 P50 tubes per month. Small transmitter tubes (up to 7 kw) were also manufactured. Small receiver tubes (Kleinröhren) were not made. The factory produced socketed tubes only.

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7. In December 1950, there were plans for a considerable expansion of the Svetlana Radio Tube Factory. All departments were to be enlarged and particular emphasis was placed on the expansion of the klystron sections. 50X1-HUM

1. [] Comment. The location of Semashko cannot be determined. [] It suggests that Semashko may be Sanatoriya Semashko which is located in Shchelkovo near Moscow. 50X1-HUM
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2. [] Comment. [] for additional information on klystrons. 50X1-HUM

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